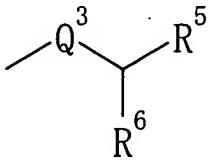
AMENDMENTS TO THE CLAIMS

1. (Currently amended) ~~A~~ An optically active ligand represented by the formula (1):

$R^1R^2N\text{-}Q^1\text{-}X\text{-}Q^2\text{-}NR^3R^4$ (1)

wherein R^1, R^2, R^3 and R^4 are each the same or different and represent a group represented by the formula (2):



(2)

wherein Q^3 is an optionally substituted alkylene group, an optionally substituted cycloalkylene group, an optionally substituted arylene group or an optionally substituted divalent heterocyclic group; R^5 is an optionally substituted alkyl group, an optionally substituted aryl group or an optionally substituted heterocyclic group; and R^6 is a substituent which may coordinate or bind to a metal atom, or R^5 and R^6, taken together, may form a ring,

Q^1 and Q^2 are each the same or different and represent an optionally substituted alkylene group or a single bond, and

X is a divalent spacer.

2-3. (Cancelled)

4. (Currently amended) The ligand according to claim 1, ~~characterized in that~~wherein the spacer is an optionally substituted alkylene group, an optionally substituted arylene group or an optionally substituted divalent heterocyclic group.

5. (Currently amended) The ligand according to claim 1, ~~characterized in that~~wherein the length of $Q^1\text{-}X\text{-}Q^2$ is from 2 to 30 angstroms.

6. (Currently amended) The ligand according to claim 1, ~~characterized in that~~wherein Q^3 is an alkylene group of 1 to 6 carbon atoms.

7. (Currently amended) The ligand according to claim 1, ~~characterized in that~~wherein R^5 is an aryl group.

8. (Currently amended) The ligand according to claim 1, ~~characterized in that~~wherein R^6 is a hydroxy group, an alkoxy group of 1 to 6 carbon atoms, an amino group or a substituted amino group.

9. (Currently amended) The ligand according to claim 1, ~~characterized in that~~wherein the ring formed when R^5 and R^6 are taken together is an oxazoline, a pyrrolidine or a piperidine.

10. (Currently amended) A complex compound ~~characterized by containing~~comprising, as a constituent element, the ligand according to claim 1 and a metal atom.

11. (Currently amended) The complex compound according to claim 10, ~~characterized in that~~wherein the metal atom belongs to any one of groups 3 to 14 of the periodic table.

12. (Currently amended) The complex compound according to claim 10, ~~characterized in that~~wherein the metal atom is selected from the group consisting of lanthanum, samarium, titanium, zirconium, vanadium, rhenium, iron, ruthenium, cobalt, rhodium, iridium, nickel, palladium, copper, zinc, aluminum, tin, gold, silver ~~or~~ and platinum.

13-14. (Cancelled)

15. (Currently amended) A method for producing ~~a~~ an optically active compound of the formula (1):

$$R^1R^2N\text{-}Q^1\text{-}X\text{-}Q^2\text{-}NR^3R^4 \quad (1)$$

(wherein the symbols have the same meanings as defined in claim 1),

which comprises reacting a compound of the formula (3):

$Z\text{-}Q^1\text{-}X\text{-}Q^2\text{-}Z'$ (3)

(wherein Q^1, X and Q^2 have the same meanings as defined in claim 1, and Z and Z' are each the same or different and represent a leaving group),

with a compound of the formula (4):

NHR^1R^2 (4)

(wherein R^1 and R^2 have the same meanings as defined in claim 1).

16. (Currently amended) A method for producing a complex compound, which comprises contacting ~~a~~ the ligand described in claim 1 with a metal compound.

17. (Currently amended) The method according to claim 16, wherein the metal compound ~~contains~~ comprises a metal atom selected from the group consisting of lanthanum, samarium, titanium, zirconium, vanadium, rhenium, iron, ruthenium, cobalt, rhodium, iridium, nickel, palladium, copper, zinc, aluminum, tin, gold, silver ~~or~~ and platinum.

18. (Previously presented) A method for catalyzing an asymmetric synthesis reaction, which comprises adding the complex compound according to claim 10 as a catalyst to an asymmetric synthesis reaction.